Curl
$$\vec{F} = \langle R_y - Q_z, P_z - R_x, Q_x - P_y \rangle$$
 Divergence $\vec{F} = P_x + Q_y + R_z$
 $\nabla f \times \vec{F}$
 $\langle \frac{\partial f}{\partial x}, \frac{\partial f}{\partial y}, \frac{\partial f}{\partial z} \rangle \times \langle P, Q, R \rangle$

 $\big\langle \underbrace{\sharp}_{(R)}, (R) - \underbrace{\sharp}_{(R)}, \underbrace{\sharp}_{(R)}, (R) - \underbrace{\sharp}_{(R)}, (R) - \underbrace{\sharp}_{(R)}, (R) \big\rangle$

Curl and div have properties similar to derivatives f(x,y,z) is a scalar-valued for F(x,y,z) is a vector field